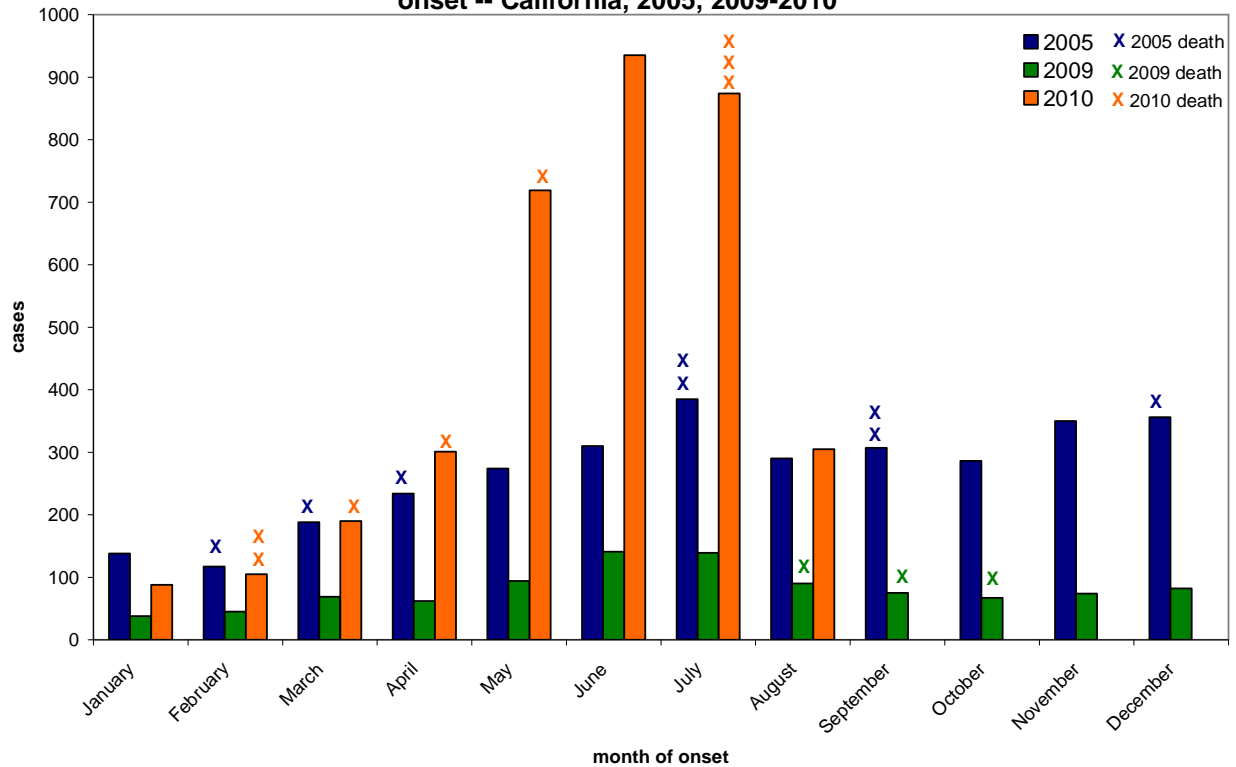


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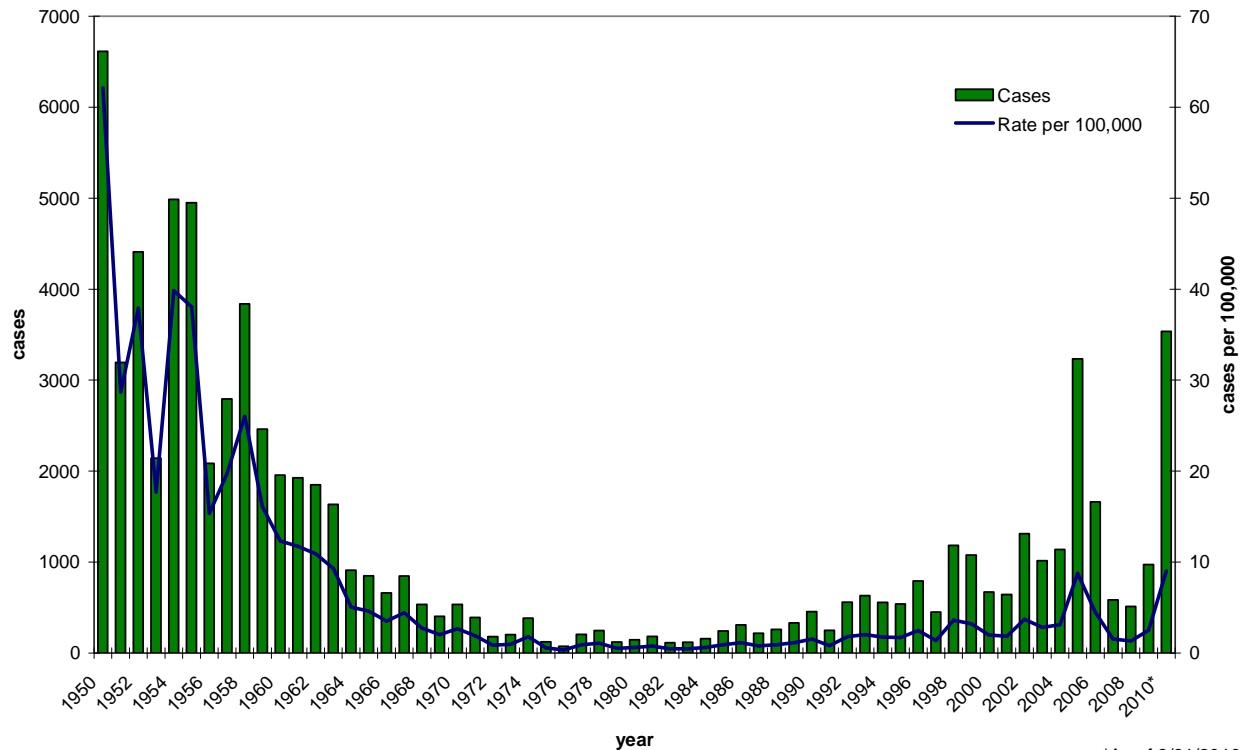
- To date (8/31/2010), there have been **3,600** confirmed, probable and suspect cases of pertussis reported in 2010 for a state rate of **9.2 cases/100,000**. This is a **7-fold increase** from the number of reported cases during the same time period in 2009 when **501** cases were reported (Figure 1).
- This is the most cases reported in 52 years since there were 3,837 cases reported in 1958 and the highest incidence since there were 9.3 cases/100,000 in 1963. Previously, the peak was in 2005 when there were 3,182 cases reported (Figure 2).
- 177 (12%) cases have been hospitalized (of the 1,442 cases with known hospitalization information). 106 (60%) of hospitalized cases were infants <3 months of age and 132 (75%) were infants <6 months of age.
- 8 deaths have been reported, 7 were in infants <2 months of age at time of disease onset and had not received any doses of pertussis-containing vaccine. One was an ex-28 week preemie that was 2 months of age and had received the first dose of DTaP 11 days prior to disease onset. The majority of infant cases in 2010 have occurred in infants <3 months of age.
- The median case rate by county is 7.7 cases per 100,000 (range 0-121) (Table 1).
- Rates are highest in infants <6 months of age (168 cases/100,000), in adolescents aged 7-9 years (28 cases/100,000) and 10-18 years (21 cases/100,000) (Figure 3).
- Overall rates by race/ethnicity are highest in whites (7.7/100,000), however age-specific rates indicate that the highest rates are seen in Hispanic infants <6 months of age (199/100,000) (Table 2).

**Figure 1. Epidemic curve of reported pertussis cases and deaths by month of onset -- California, 2005, 2009-2010\***



\*As of 8/31/2010; data are incomplete due to reporting delays

**Figure 3. Number of reported pertussis cases by year of onset -- California 1950-2010\***



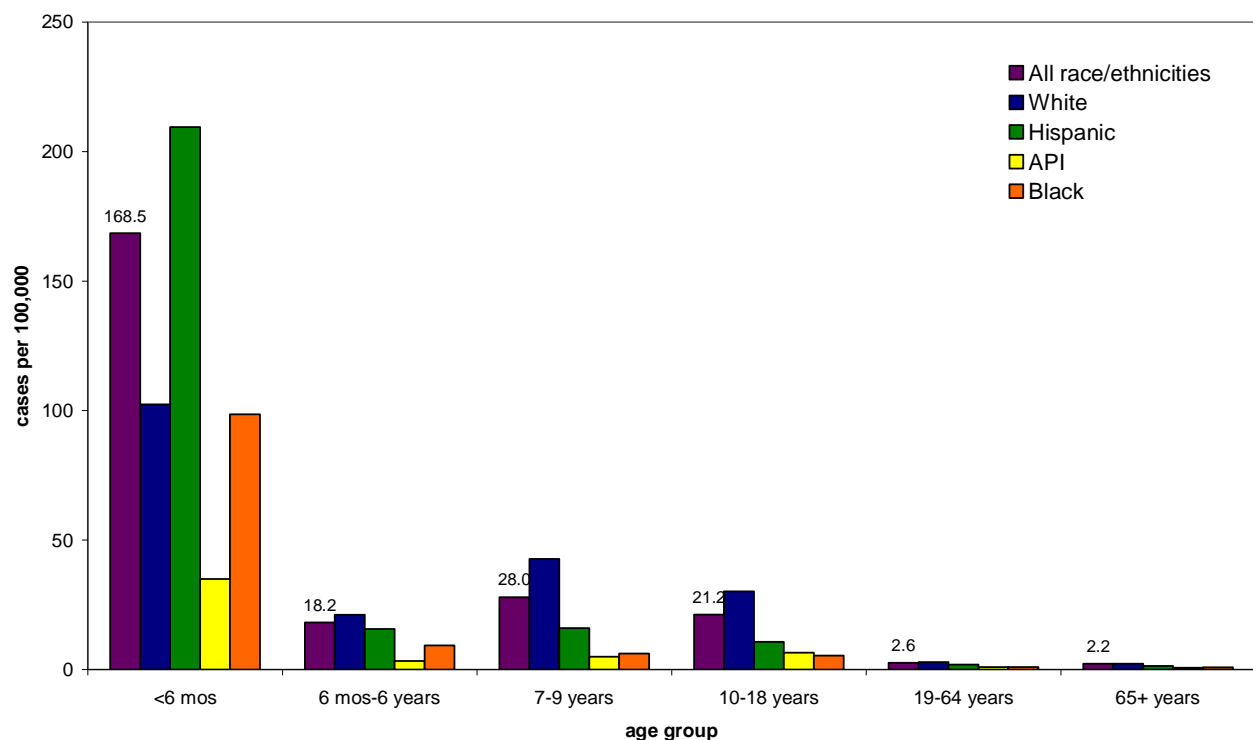
\*As of 8/31/2010

Table 1. Pertussis cases reported to CDPH from January 1 through August 31 by local health jurisdiction -- California, 2009, 2010

	2009		2010	
	Cases	Rate	Cases	Rate
<b>CALIFORNIA</b>	<b>501</b>	<b>1.28</b>	<b>3600</b>	<b>9.20</b>
ALAMEDA	13	0.91	165	11.51
City of Berkeley*	0	0.00	7	6.53
ALPINE	0	0.00	0	0.00
AMADOR	1	2.51	0	0.00
BUTTE	2	0.88	11	4.85
CALAVERAS	7	14.83	6	12.71
COLUSA	0	0.00	7	30.04
CONTRA COSTA	12	1.13	89	8.36
DEL NORTE	0	0.00	16	52.23
EL DORADO	2	1.07	38	20.39
FRESNO	20	2.07	352	36.49
GLENN	0	0.00	0	0.00
HUMBOLDT	12	8.95	12	8.95
IMPERIAL	0	0.00	8	4.33
INYO	0	0.00	2	10.48
KERN	1	0.12	220	25.78
KINGS	3	1.86	18	11.18
LAKE	0	0.00	2	3.00
LASSEN	0	0.00	0	0.00
LOS ANGELES	89	0.91	79	0.81
City of Long Beach*	7	1.42	42	8.52
City of Pasadena*	0	0.00	8	5.33
MADEIRA	5	3.16	93	58.77
MARIN	8	3.16	286	112.81
MARIPOSA	0	0.00	5	26.40
MENDOCINO	4	4.33	15	16.22
MERCED	5	1.87	73	27.27
MODOC	0	0.00	0	0.00
MONO	0	0.00	1	6.85
MONTEREY	1	0.23	18	4.18
NAPA	7	4.97	14	9.94
NEVADA	0	0.00	5	4.91
ORANGE	25	0.78	236	7.40
PLACER	7	2.05	41	12.03
PLUMAS	0	0.00	2	9.20
RIVERSIDE	28	1.29	138	6.33
SACRAMENTO	17	1.18	67	4.66
SAN BENITO	2	3.20	1	1.60
SAN BERNARDINO	6	0.28	36	1.69
SAN DIEGO	82	2.59	335	10.57
SAN FRANCISCO	21	2.58	57	7.00
SAN JOAQUIN	5	0.69	45	6.22
SAN LUIS OBISPO	0	0.00	324	120.91
SAN MATEO	10	1.36	80	10.90
SANTA BARBARA	17	3.95	33	7.66
SANTA CLARA	11	0.60	168	9.21
SANTA CRUZ	27	10.12	48	17.99
SHASTA	0	0.00	7	3.70
SIERRA	0	0.00	0	0.00
SISKIYOU	1	2.13	7	14.94
SOLANO	2	0.46	10	2.29
SONOMA	12	2.44	166	33.78
STANISLAUS	11	2.00	95	17.29
SUTTER	2	2.00	4	4.00
TEHAMA	1	1.55	1	1.55
TRINITY	0	0.00	0	0.00
TULARE	8	1.75	66	14.45
TUOLUMNE	0	0.00	8	13.69
VENTURA	3	0.35	20	2.36
YOLO	3	1.48	9	4.44
YUBA	1	1.27	4	5.10

\*City health jurisdictions not included in county total

**Figure 3. Incidence of pertussis cases by race/ethnicity and age -- California, 2010\***



\*As of 8/31/2010

**Table 2. Incidence per 100,000 population of reported pertussis cases\*, by race/ethnicity and age -- California, January 1 - August 31, 2010**

	<6 mos	6 mos-6 yrs	7-9 yrs	10-18 yrs	19-64 yrs	65+ yrs
White	102.3	21.1	42.7	30.1	2.9	2.3
Hispanic	209.5	15.7	16.0	10.7	1.9	1.4
API	35.0	3.3	5.0	6.5	1.0	0.7
Black	98.6	9.3	6.1	5.4	1.0	0.9

\*out of 2757 cases with known information